Index of authors and papers to Volume 270

Alarcón, T., *see* Pérez-Madrid, A. 270 (1999) 403
Amaral, L.A.N., *see* Stanley, H.E. 270 (1999) 309
Ananthakrishna, G., *see* Bekele, M. 270 (1999) 149
Ananthakrishna, G., *see* Bharathi, M.S. 270 (1999) 159
Ananthakrishna, G., *see* Rajesh, S. 270 (1999) 182
Andrade, R.F.S. and Salinas, S.R., Diluted Ising model with competing interactions 270 (1999) 342
Arya, A., *see* Banerjee, S. 270 (1999) 215
Ausloos, M. and Ivanova, K., Precise (m,k)-Zipf diagram analysis of mathematical and financial time series when $m = 6$, $k = 2$ 270 (1999) 526

Bajaj, K.M.S., *see* Kumar, K. 270 (1999) 97
Banerjee, S., Arya, A. and Das, G.P., Replacive ordering in alloys 270 (1999) 215
Barma, M., *see* Das, D. 270 (1999) 245
Bedeaux, D. and Kjelstrup, S., Transfer coefficients for evaporation 270 (1999) 413
Bekele, M., Ananthakrishna, G. and Kumar, N., Mean first passage time approach to the problem of optimal barrier subdivision for Kramer's escape rate 270 (1999) 149
Benguigui, L., Fracture of polymer gels 270 (1999) 1
Bergman, D.J., Anisotropic nonlinear response of periodic square or cubic composites 270 (1999) 8
Bharathi, M.S. and Ananthakrishna, G., Possibility of chaos in internal friction experiments of martensites 270 (1999) 159
Bhattacharjee, J.K. and Sain, A., Homogeneous isotropic turbulence: large momentum expansion 270 (1999) 165
Bhattacharjee, J.K., *see* Das, K.S. 270 (1999) 173
Bhattacharya , N., Degradation and training in superconducting magnet: revisited 270 (1999) 226
Biswal, B., *see* Widjajakusuma, J. 270 (1999) 325
Bose, I., *see* Chaudhuri, I. 270 (1999) 63

Caldarelli, G., Castellano, C. and Petri, A., Criticality in models for fracture in disordered media 270 (1999) 15
Castellano, C., *see* Caldarelli, G. 270 (1999) 15
Chakrabarti, B. and Chakrabarti, B.K., Crack propagation in solids and crack-surface roughness 270 (1999) 21
Chakrabarti, B.K. and Stinchcombe, R.B., Stick-slip statistics for two fractal surfaces: a model for earthquakes 270 (1999) 27
Chakrabarti, B.K., *see* Chakrabarti, B. 270 (1999) 21
Charret, I.C., Silva, E.V.C., Santos, O.R., de Souza, S.M. and Thomaz, M.T., Unidimensional generalized Hubbard model in the high temperature limit 270 (1999) 462
Chaudhuri, I. and Bose, I., Punctuated equilibrium in an evolving bacterial population 270 (1999) 63
Chen, Z., *see* Tretyakov, A. 270 (1999) 543
Craco, L., *see* De Cesare, L. 270 (1999) 486

D'hulst, R. and Rodgers, G.J., The Hamming distance in the minority game 270 (1999) 514
Das, C., Sood, A.K. and Krishnamurthy, H.R., Bond-orientational ordering and shear rigidity in modulated colloidal liquids 270 (1999) 237
Das, D. and Barma, M., Polytype kinetics and quenching of spin chains with competing interactions using trimer-flip dynamics 270 (1999) 245
Das, G.P., *see* Banerjee, S. 270 (1999) 215

Index of authors and papers to Volume 270

Alarcón, T., *see* Pérez-Madrid, A. 270 (1999) 403
Amaral, L.A.N., *see* Stanley, H.E. 270 (1999) 309
Ananthakrishna, G., *see* Bekele, M. 270 (1999) 149
Ananthakrishna, G., *see* Bharathi, M.S. 270 (1999) 159
Ananthakrishna, G., *see* Rajesh, S. 270 (1999) 182
Andrade, R.F.S. and Salinas, S.R., Diluted Ising model with competing interactions 270 (1999) 342
Arya, A., *see* Banerjee, S. 270 (1999) 215
Ausloos, M. and Ivanova, K., Precise (m,k)-Zipf diagram analysis of mathematical and financial time series when $m = 6$, $k = 2$ 270 (1999) 526

Bajaj, K.M.S., *see* Kumar, K. 270 (1999) 97
Banerjee, S., Arya, A. and Das, G.P., Replacive ordering in alloys 270 (1999) 215
Barma, M., *see* Das, D. 270 (1999) 245
Bedeaux, D. and Kjelstrup, S., Transfer coefficients for evaporation 270 (1999) 413
Bekele, M., Ananthakrishna, G. and Kumar, N., Mean first passage time approach to the problem of optimal barrier subdivision for Kramer's escape rate 270 (1999) 149
Benguigui, L., Fracture of polymer gels 270 (1999) 1
Bergman, D.J., Anisotropic nonlinear response of periodic square or cubic composites 270 (1999) 8
Bharathi, M.S. and Ananthakrishna, G., Possibility of chaos in internal friction experiments of martensites 270 (1999) 159
Bhattacharjee, J.K. and Sain, A., Homogeneous isotropic turbulence: large momentum expansion 270 (1999) 165
Bhattacharjee, J.K., *see* Das, K.S. 270 (1999) 173
Bhattacharya , N., Degradation and training in superconducting magnet: revisited 270 (1999) 226
Biswal, B., *see* Widjajakusuma, J. 270 (1999) 325
Bose, I., *see* Chaudhuri, I. 270 (1999) 63

Caldarelli, G., Castellano, C. and Petri, A., Criticality in models for fracture in disordered media 270 (1999) 15
Castellano, C., *see* Caldarelli, G. 270 (1999) 15
Chakrabarti, B. and Chakrabarti, B.K., Crack propagation in solids and crack-surface roughness 270 (1999) 21
Chakrabarti, B.K. and Stinchcombe, R.B., Stick-slip statistics for two fractal surfaces: a model for earthquakes 270 (1999) 27
Chakrabarti, B.K., *see* Chakrabarti, B. 270 (1999) 21
Charret, I.C., Silva, E.V.C., Santos, O.R., de Souza, S.M. and Thomaz, M.T., Unidimensional generalized Hubbard model in the high temperature limit 270 (1999) 462
Chaudhuri, I. and Bose, I., Punctuated equilibrium in an evolving bacterial population 270 (1999) 63
Chen, Z., *see* Tretyakov, A. 270 (1999) 543
Craco, L., *see* De Cesare, L. 270 (1999) 486

D'hulst, R. and Rodgers, G.J., The Hamming distance in the minority game 270 (1999) 514
Das, C., Sood, A.K. and Krishnamurthy, H.R., Bond-orientational ordering and shear rigidity in modulated colloidal liquids 270 (1999) 237
Das, D. and Barma, M., Polytype kinetics and quenching of spin chains with competing interactions using trimer-flip dynamics 270 (1999) 245
Das, G.P., *see* Banerjee, S. 270 (1999) 215

Das, J. and Rao, M., Dynamics of ordering of isotropic magnets 270 (1999) 253
Das, K.S. and Bhattacharjee, J.K., Marangoni attractors 270 (1999) 173
Dasgupta, C., *see* Kundagrami, A. 270 (1999) 135
De Cesare, L., Craco, L., Rabuffo, I., Takov, I.P. and Uzunov, D.I., Critical behaviour of thin films with quenched impurities 270 (1999) 486
de Souza, S.M., *see* Charret, I.C. 270 (1999) 462
Debenedetti, P.G., *see* Sastry, S. 270 (1999) 301
Delaplace, A., *see* Roux, S. 270 (1999) 35
Dhar, D., Some results and a conjecture for Manna's stochastic sandpile model 270 (1999) 69
Dobrin, R., *see* Duxbury, P.M. 270 (1999) 263
Duxbury, P.M. and Dobrin, R., Greedy algorithms in disordered systems 270 (1999) 263
Dyre, J.C., *see* Sastry, S. 270 (1999) 301

Enomoto, Y., *see* Tokuyama, M. 270 (1999) 380

Falcon, É., *see* Kumar, K. 270 (1999) 97
Fauve, S., *see* Kumar, K. 270 (1999) 97
Fossum, J.O., Physical phenomena in clays 270 (1999) 270

Gangal, A.D., *see* Pradhan, G.R. 270 (1999) 288
Glotzer, S., *see* Sastry, S. 270 (1999) 301
Goldberger, A.L., *see* Stanley, H.E. 270 (1999) 309
Grant, S.B., *see* Relle, S. 270 (1999) 427

Hansen, A., Jensen, M.H., Sneppen, K. and Zocchi, G., A model for the thermodynamics of globular proteins 270 (1999) 278
Havlin, S., *see* Stanley, H.E. 270 (1999) 309
Hayakawa, H., *see* Puri, S. 270 (1999) 115
Herrmann , H.J., Shapes of granular surfaces 270 (1999) 82
Herrmann, H.J., *see* Krishnamurthy, S. 270 (1999) 89
Hilfer, R., *see* Widjajakusuma, J. 270 (1999) 325

Ivanov, P.Ch., *see* Stanley, H.E. 270 (1999) 309
Ivanova, K., *see* Ausloos, M. 270 (1999) 526
Ivanova, K., Toward a phase diagram for stocks 270 (1999) 567

Jensen, M.H., *see* Hansen, A. 270 (1999) 278

Kim, J.M., Phase transition of directed polymer in random potentials on $4 + 1$ dimensions 270 (1999) 335
Kjelstrup, S., *see* Bedeaux, D. 270 (1999) 413
Krishnamurthy, H.R., *see* Das, C. 270 (1999) 237
Krishnamurthy, S., Loreto, V., Herrmann, H.J. and Roux, S., Internal avalanches and restructuring in granular media 270 (1999) 89
Kumar, K., Falcon, É., Bajaj, K.M.S. and Fauve, S., Shape of convective cell in Faraday experiment with fine granular materials 270 (1999) 97
Kumar, N., *see* Bekele, M. 270 (1999) 149
Kundagrami, A. and Dasgupta, C., Multiscaling in discrete models of epitaxial growth 270 (1999) 135

Levine, B.D., *see* West, B.J. 270 (1999) 552
Lin, K.-Y. and Lue, S.-J., Universal amplitude combinations for self-avoiding polygons on the kagome lattice 270 (1999) 453
Loreto, V., *see* Krishnamurthy, S. 270 (1999) 89
Lue, S.-J., *see* Lin, K.-Y. 270 (1999) 453

Manna, S.S., Externally driven granular systems 270 (1999) 105
Manwart, C., *see* Widjajakusuma, J. 270 (1999) 325
Mehta, A., *see* Mookerjee, A. 270 (1999) 143
Miniyar, S., *see* West, B.J. 270 (1999) 552
Mookerjee, A., Sanyal, B. and Mehta, A., Growth and electronic structure of rough overlayers 270 (1999) 143

Nakasato, N., *see* Tretyakov, A. 270 (1999) 543

Olemskoi, A.I., Supersymmetry approach to the random heteropolymer theory 270 (1999) 444
Oppenheim, I., *see* Tokuyama, M. 270 (1999) 380

Pandit, R., *see* Sain, A. 270 (1999) 190
Pandit, S.A., *see* Pradhan, G.R. 270 (1999) 288
Peng, C.-K., *see* Stanley, H.E. 270 (1999) 309
Petri, A., *see* Caldarelli, G. 270 (1999) 15
Pijaudier-Cabot, G., *see* Roux, S. 270 (1999) 35
Pradhan, G.R., Pandit, S.A., Gangal, A.D. and Sitaramam, V., Effect of shape anisotropy on transport in a two-dimensional computational model: numerical simulations showing experimental features observed in biomembranes 270 (1999) 288
Pérez-Madrid, A., Alarcón, T., Vilar, J.M.G. and Rubi, J.M., A mesoscopic approach to the "negative" viscosity effect in ferrofluids 270 (1999) 403
Puri, S. and Hayakawa, H., Dynamical behaviour of rotated granular mixtures 270 (1999) 115

Rabuffo, I., *see* De Cesare, L. 270 (1999) 486
Rajesh, S. and Ananthakrishna, G., Effect of slow manifold structure on relaxation oscillations and one-dimensional map in a model for plastic instability 270 (1999) 182
Rao, M., *see* Das, J. 270 (1999) 253
Ray, P., *see* Zapperi, S. 270 (1999) 57
Ray, P., *see* Sadr-Lahijany, M.R. 270 (1999) 295
Relle, S., Grant, S.B. and Tsouris, C., Diffusional coagulation of superparamagnetic particles in the presence of an external magnetic field 270 (1999) 427
Rodgers, G.J., *see* D'hulst, R. 270 (1999) 514
Roux, S., Delaplace, A. and Pijaudier-Cabot, G., Damage at heterogeneous interfaces 270 (1999) 35
Roux, S., *see* Krishnamurthy, S. 270 (1999) 89
Rubi, J.M., *see* Pérez-Madrid, A. 270 (1999) 403

Sadr-Lahijany, M.R., Ray, P. and Stanley, H.E., Melting driven by particle size-dispersity: a study in two dimensions 270 (1999) 295
Sain, A. and Pandit, R., Multiscaling in the randomly forced and conventional Navier–Stokes equations 270 (1999) 190
Sain, A., *see* Bhattacharjee, J.K. 270 (1999) 165
Salinas, S.R., *see* Andrade, R.F.S. 270 (1999) 342
Sanders, A.W., *see* West, B.J. 270 (1999) 552
Santos, O.R., *see* Charret, I.C. 270 (1999) 462
Sanyal, B., *see* Mookerjee, A. 270 (1999) 143
Sastry, S., Debenedetti, P.G., Stillinger, F.H., Schrøder, T.B., Dyre, J.C. and Glotzer, S., Potential energy landscape signatures of slow dynamics in glass forming liquids 270 (1999) 301
Schmittbuhl, J. and Vilotte, J.-P., Interfacial crack front wandering: influence of quenched noise correlation 270 (1999) 42
Schoen, M., The Joule–Thomson effect in confined fluids 270 (1999) 353
Schrøder, T.B., *see* Sastry, S. 270 (1999) 301
Silva, E.V.C., *see* Charret, I.C. 270 (1999) 462
Sinha, S., Noise-free stochastic resonance in simple chaotic systems 270 (1999) 204
Sitaramam, V., *see* Pradhan, G.R. 270 (1999) 288

Sneppen, K., *see* Hansen, A. 270 (1999) 278
Sood, A.K., *see* Das, C. 270 (1999) 237
Stanley, H.E., *see* Zapperi, S. 270 (1999) 57
Stanley, H.E., *see* Sadr-Lahijany, M.R. 270 (1999) 295
Stanley, H.E., Amaral, L.A.N., Goldberger, A.L., Havlin, S., Ivanov, P.Ch. and Peng, C.-K., Statistical physics and physiology: Monofractal and multifractal approaches 270 (1999) 309
Stillinger, F.H., *see* Sastry, S. 270 (1999) 301
Stinchcombe, R.B., *see* Chakrabarti, B.K. 270 (1999) 27

Tadić, B., Dynamic criticality in driven disordered systems: role of depinning and driving rate in Barkhausen noise 270 (1999) 125
Takayasu, H., *see* Tretyakov, A. 270 (1999) 543
Takov, I.P., *see* De Cesare, L. 270 (1999) 486
Thomaz, M.T., *see* Charret, I.C. 270 (1999) 462
Tokuyama, M., Enomoto, Y. and Oppenheim, I., Slow dynamics of supercooled colloidal fluids: spatial heterogeneities and nonequilibrium density fluctuations 270 (1999) 380
Tretyakov, A., Chen, Z., Takayasu, H. and Nakasato, N., Analysis of spontaneous magnetoencephalography data by similarity measures 270 (1999) 543
Tsouris, C., *see* Relle, S. 270 (1999) 427

Uzunov, D.I., *see* De Cesare, L. 270 (1999) 486

Vespignani, A., *see* Zapperi, S. 270 (1999) 57
Vilar, J.M.G., *see* Pérez-Madrid, A. 270 (1999) 403
Vilotte, J.-P., *see* Schmittbuhl, J. 270 (1999) 42

West, B.J., Zhang, R., Sanders, A.W., Miniyar, S., Zuckerman, J.H. and Levine, B.D., Fractal fluctuations in cardiac time series 270 (1999) 552
Widjajakusuma, J., Manwart, C., Biswal, B. and Hilfer, R., Exact and approximate calculations for the conductivity of sandstones 270 (1999) 325

Zapperi, S., Ray, P., Stanley, H.E. and Vespignani, A., Analysis of damage clusters in fracture processes 270 (1999) 57
Zhang, R., *see* West, B.J. 270 (1999) 552
Zocchi, G., *see* Hansen, A. 270 (1999) 278
Zuckerman, J.H., *see* West, B.J. 270 (1999) 552